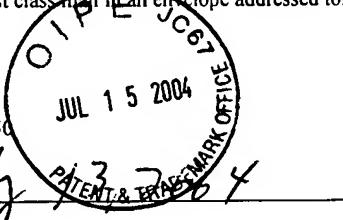


I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

On July 15, 2004
TOWNSEND and TOWNSEND and CREW LLP

By: Mark T. Davis



PATENT
Attorney Docket No.: 021164-000310US

JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

TSANG et al.

Application No.: 10/658,437

Filed: September 8, 2003

For: CD56 POSITIVE HUMAN ADULT
PANCREATIC ENDOCRINE
PROGENITOR CELLS

Examiner: Not yet assigned

Art Unit: 1636

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Also enclosed is a copy of the Search/Examination report corresponding to the European application.

The PTO did not receive the following listed items(s) 1 FOR

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Beth L. Kelly
Reg. No. 51,868

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:mtd
60243547 v1

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/658,437
(use as many sheets as necessary)		Filing Date	September 8, 2003
		First Named Inventor	Tsang, Wen-Ghih
		Art Unit	1636
		Examiner Name	Not yet assigned
Sheet	3	Attorney Docket Number	021164-000310US

JUL 15 2004

U.S. PATENT DOCUMENTS+				
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
				Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)			
	AA	WO	97/15310 A1	05-01-1997		<input type="checkbox"/>
	AB	WO	00/78929 A1	12-28-2000		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS

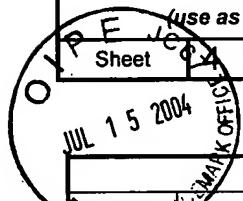
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AC	AMI, K. et al.; "Activation of human T cells with NK Cell markers by staphylococcal enterotoxin A via IL-12 but not via IL-18"; 2002, <u>Clin. Exp. Immunol.</u> , Vol. 128, pp. 453-459.	
	AD	BARTON, C.H. et al.; "Complete sequence and in vitro expression of a tissue-specific phosphatidylinositol-linked N-CAM isoform from skeletal muscle"; 1988, <u>Development</u> , Vol. 104, No. 1, pp. 165-173.	
	AE	CUNNINGHAM, Bruce A. et al.; "Neural Cell Adhesion Molecule: Structure, Immunoglobulin-like Domains, Cell Surface Modulation, and Alternative RNA Splicing"; 1987, <u>Science</u> , Vol. 236, pp. 799-806.	
	AF	DOYLE, Maire E. et al.; "Glucagon-Like Peptide-1"; 2001, <u>Recent Prog. Horm Res.</u> , Vol. 56, pp. 377-399.	
	AG	GAHR, S. et al.; "Hepatocyte growth factor stimulates proliferation of pancreatic β-cells particularly in the presence of subphysiological glucose concentrations"; 2002, <u>J. Mol. Endocrinol.</u> , Vol. 28, No. 2, pp. 99-110.	
	AH	GARCIA-OCANA, Adolfo et al.; "Hepatocyte Growth Factor Overexpression in the Islet of Transgenic Mice Increases Beta Cell Proliferation, Enhances Islet Mass, and Induces Mild Hypoglycemia"; 2000, <u>The Journal of Biological Chemistry</u> , Vol. 275, No. 2, pp. 1226-1232.	
	AI	GOKE, Rudiger et al.; "Exendin-4 Is a High Potency Agonist and Truncated Exendin-(9-30)-amide an Antagonist at the Glucagon-like Peptide 1-(7-36)-amide Receptor of Insulin-secreting β-Cells"; 1993, <u>The Journal of Biological Chemistry</u> , Vol. 268, No. 26, pp. 19650-19655.	
	AJ	HEMPERLY, John J. et al.; "Characterization of cDNA Clones Defining Variant Forms of Human Neural Cell Adhesion Molecule N-CAM"; 1990, <u>Journal of Molecular Neuroscience</u> , Vol. 2, pp. 71-78.	
	AK	HUNG, Gene et al.; "Immunohistochemistry Study of Human Vestibular Nerve Schwannoma Differentiation"; 2002, <u>Glia</u> , Vol. 38, pp. 363-370.	
	AL	KRAKOWSKI, Michele L. et al.; "Transgenic expression of epidermal growth factor and keratinocyte growth factor in β-cells results in substantial morphological changes"; 1999, <u>J. Endocrinol.</u> , Vol. 162, No. 2, pp. 167-175.	
	AM	KRAKOWSKI, Michele L. et al.; "Pancreatic Expression of Keratinocyte Growth Factor Leads to Differentiation of Islet Hepatocytes and Proliferation of Duct Cells"; 1999, <u>American Journal of Pathology</u> , Vol. 154, No. 3, pp. 683-691.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		<i>Application Number</i>	10/658,437
(use as many sheets as necessary)		<i>Filing Date</i>	September 8, 2003
		<i>First Named Inventor</i>	Tsang, Wen-Ghih
		<i>Art Unit</i>	1636
		<i>Examiner Name</i>	Not yet assigned
		<i>Attorney Docket Number</i>	021164-000310US
Sheet 1 of 1			



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Shee

of

FOREIGN PATENT DOCUMENTS									
Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		Country Code ³	Number ⁴						
	AN	LEON, C. et al.; "Expression of cell adhesion molecules and catecholamine synthesizing enzymes in the developing rat adrenal gland"; 1992, <u>Developmental Brain Research</u> , Vol. 70, pp. 109-121.							
	AO	MASHIMA, Hirosata et al.; "Formation of Insulin-Producing Cells from Paracrine Acinar AR42J Cells by Hepatocyte Growth Factor"; 1996, <u>Endocrinology</u> , Vol. 137, No. 9, pp. 3969-3976.							
	AP	MECHTERSHEIMER, Gunhild et al.; "Expression of the Natural Killer (NK) Cell-Associated Antigen CD56(Leu-19), Which is Identical to the 140-kDa Isoform of N-CAM, in Neural and Skeletal Muscle Cells and Tumors Derived Therefrom"; 1992, <u>Annals of the New York Academy of Sciences</u> , Vol. 650, pp. 311-316.							
	AQ	PECK, Ammon B.; "Pancreatic stem cells: building blocks for a better surrogate islet to treat type 1 diabetes"; 2001, <u>Annals of Medicine</u> , Vol. 33, No. 3, pp. 186-192.							
	AR	PIERRE, K. et al.; "The Polysialylated Neural Cell Adhesion Molecule Reaches Cell Surfaces of Hypothalamic Neurons and Astrocytes Via The Constitutive Pathway"; 2001, <u>Neuroscience</u> , Vol. 103, No. 1, pp. 133-142.							
	AS	RABINOWITZ, Joseph E. et al. "Targeted mutation of Ncam to produce a secreted molecule results in a dominant embryonic lethality"; 1996, <u>Proceedings of the National Academy of Science</u> , Vol. 93, pp. 6421-6424.							
	AT	SAITO, S. et al.; "Complementary DNA sequence encoding the major neural cell adhesion molecule isoform in a human small cell lung cancer cell line"; 1994, <u>Lung Cancer</u> , Vol. 10, No. 5-6, pp. 307-318.							
	AU	SHILAKHOVENKO et al.; 1991, <u>Vrach Delo</u> , Vol. 2, pp. 453.							

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1. Applicant's unique citation designation number (optional).² Applicant is to place a check mark here if English language Translation is attached.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

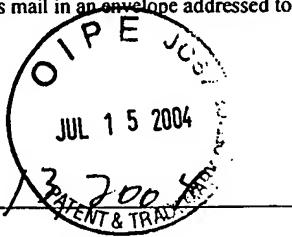
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

On July 15, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Mark T. Davis

PATENT
Attorney Docket No.: 021164-000310US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

TSANG et al.

Application No.: 10/658,437

Filed: September 8, 2003

For: CD56 POSITIVE HUMAN ADULT
PANCREATIC ENDOCRINE
PROGENITOR CELLS

Examiner: Not yet assigned

Art Unit: 1636

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

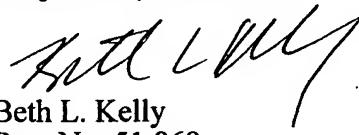
The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Also enclosed is a copy of the Search/Examination report corresponding to the European application.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Beth L. Kelly
Reg. No. 51,868

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BLK:mtd
60243547 v1

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/658,437
		Filing Date	September 8, 2003
		First Named Inventor	Tsang, Wen-Ghiih
		Art Unit	1636
		Examiner Name	Not yet assigned
Sheet	3	of	CC
		Attorney Docket Number	
		021164-000310US	

JUL 15 2004

U.S. PATENT DOCUMENTS+				
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
				Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)		
	AA	WO	97/15310 A1	05-01-1997	
	AB	WO	00/78929 A1	12-28-2000	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AC	AMI, K. et al.; "Activation of human T cells with NK Cell markers by staphylococcal enterotoxin A via IL-12 but not vial IL-18"; 2002, <u>Clin. Exp. Immunol.</u> , Vol. 128, pp. 453-459.	
	AD	BARTON, C.H. et al.; "Complete sequence and in vitro expression of a tissue-specific phosphatidylinositol-linked N-CAM isoform from skeletal muscle"; 1988, <u>Development</u> , Vol. 104, No. 1, pp. 165-173.	
	AE	CUNNINGHAM, Bruce A. et al.; "Neural Cell Adhesion Molecule: Structure, Immunoglobulin-like Domains, Cell Surface Modulation, and Alternative RNA Splicing"; 1987, <u>Science</u> , Vol. 236, pp. 799-806.	
	AF	DOYLE, Maire E. et al.; "Glucagon-Like Peptide-1"; 2001, <u>Recent Prog. Horm Res.</u> , Vol. 56, pp. 377-399.	
	AG	GAHR, S. et al.; "Hepatocyte growth factor stimulates proliferation of pancreatic β -cells particularly in the presence of subphysiological glucose concentrations"; 2002, <u>J. Mol. Endocrinol.</u> , Vol. 28, No. 2, pp. 99-110.	
	AH	GARCIA-OCANA, Adolfo et al.; "Hepatocyte Growth Factor Overexpression in the Islet of Transgenic Mice Increases Beta Cell Proliferation, Enhanced Islet Mass, and Induces Mild Hypoglycemia"; 2000, <u>The Journal of Biological Chemistry</u> , Vol. 275, No. 2, pp. 1226-1232.	
	AI	GOKE, Rudiger et al.; "Exendin-4 Is a High Potency Agonist and Truncated Exendin-(9-30)-amide an Antagonist at the Glucagon-like Peptide 1-(7-36)-amide Receptor of Insulin-secreting β -Cells"; 1993, <u>The Journal of Biological Chemistry</u> , Vol. 268, No. 26, pp. 19650-19655.	
	AJ	HEMPERLY, John J. et al.; "Characterization of cDNA Clones Defining Variant Forms of Human Neural Cell Adhesion Molecule N-CAM"; 1990, <u>Journal of Molecular Neuroscience</u> , Vol. 2, pp. 71-78.	
	AK	HUNG, Gene et al.; "Immunohistochemistry Study of Human Vestibular Nerve Schwannoma Differentiation"; 2002, <u>Glia</u> , Vol. 38, pp. 363-370.	
	AL	KRAKOWSKI, Michele L. et al.; "Transgenic expression of epidermal growth factor and keratinocyte growth factor in β -cells results in substantial morphological changes"; 1999, <u>J. Endocrinol.</u> , Vol. 162, No. 2, pp. 167-175.	
	AM	KRAKOWSKI, Michele L. et al.; "Pancreatic Expression of Keratinocyte Growth Factor Leads to Differentiation of Islet Hepatocytes and Proliferation of Duct Cells"; 1999, <u>American Journal of Pathology</u> , Vol. 154, No. 3, pp. 683-691.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known	
				<i>Application Number</i>	10/658,437
				<i>Filing Date</i>	September 8, 2003
				<i>First Named Inventor</i>	Tsang, Wen-Ghiih
				<i>Art Unit</i>	1636
				<i>Examiner Name</i>	Not yet assigned
Sheet	4	C	of	<i>Attorney Docket Number</i>	
				021164-000310US	

JUL 15 2004

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cited At	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^a
		NO.	Country Code ³	Number ⁴	Kind Code ⁵ (if known)		
	AN	LEON, C. et al.; "Expression of cell adhesion molecules and catecholamine synthesizing enzymes in the developing rat adrenal gland"; 1992, <u>Developmental Brain Research</u> , Vol. 70, pp. 109-121.					
	AO	MASHIMA, Hirosata et al.; "Formation of Insulin-Producing Cells from Parcreatic Acinar AR42J Cells by Hepatocyte Growth Factor"; 1996, <u>Endocrinology</u> , Vol. 137, No. 9, pp. 3969-3976.					
	AP	MECHTERSHEIMER, Gunhild et al.; "Expression of the Natural Killer (NK) Cell-Associated Antigen CD56(Leu-19), Which is Identical to the 140-kDa Isoform of N-CAM, in Neural and Skeletal Muscle Cells and Tumors Derived Therefrom"; 1992, <u>Annals of the New York Academy of Sciences</u> , Vol. 650, pp. 311-316.					
	AQ	PECK, Ammon B.; "Pancreatic stem cells: building blocks for a better surrogate islet to treat type 1 diabetes"; 2001, <u>Annals of Medicine</u> , Vol. 33, No. 3, pp. 186-192.					
	AR	PIERRE, K. et al.; "The Polysialylated Neural Cell Adhesion Molecule Reaches Cell Surfaces of Hypothalamic Neurons and Astrocytes Via The Constitutive Pathway"; 2001, <u>Neuroscience</u> , Vol. 103, No. 1, pp. 133-142.					
	AS	RABINOVITZ, Joseph E. et al. "Targeted mutation of Ncam to produce a secreted molecule results in a dominant embryonic lethality"; 1996, <u>Proceedings of the National Academy of Science</u> , Vol. 93, pp. 6421-6424.					
	AT	SAITO, S. et al.; "Complementary DNA sequence encoding the major neural cell adhesion molecule isoform in a human small cell lung cancer cell line"; 1994, <u>Lung Cancer</u> , Vol. 10, No. 5-6, pp. 307-318.					
	AU	SHILAKHOVENKO et al.; 1991, <u>Vrach Delo</u> , Vol. 2, pp. 453.					

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^aApplicant's unique citation designation number (optional). ^bApplicant is to place a check mark here if English language Translation is attached.